

NORTH CAROLINA

Science and Engineering Profile

	NC	U.S.	Rank		NC	U.S.	Rank
Doctoral scientists, 1995	12,426	453,928	13	Total R&D performance, 1995 (millions)	\$3,191	\$177,210	16
Doctoral engineers, 1995	1,540	86,738	17	Industry R&D, 1995 (millions)	\$2,226	\$130,332	15
S&E doctorates awarded, 1996	708	27,230	11	Academic R&D, 1995 (millions)	\$687	\$21,606	9
of which, in life sciences	37%	25%		of which, in life sciences	71%	55%	
in engineering	19%	23%		in engineering	10%	16%	
in physical sciences	12%	14%		in social sciences	6%	5%	
S&E postdoctorates, 1995	1,358	35,379	6	Higher education current-fund expenditures, 1995 (millions)	\$5,736	\$182,602	9
in doctorate-granting institutions							
S&E graduate students, 1995	9,535	436,328	13	Number of SBIR awards, 1990-1996	296	26,399	23
in doctorate-granting institutions				Patents issued to state residents, 1996	1,188	61,099	15
Population, 1996 (000s)	7,323	269,067	11	Gross state product, 1994 (billions)	\$181.5	\$6,876.0	12
Civilian labor force, 1996 (000s)	3,796	135,528	10	of which, agriculture	2%	2%	
Personal income per capita, 1996	\$22,010	\$24,231	33	manufacturing, mining, construction	34%	23%	
Federal spending				transportation, communication, utilities	8%	9%	
Total expenditures, 1996 (millions)	\$32,772	\$1,368,858	15	wholesale and retail trade	15%	16%	
R&D obligations, 1995 (millions)	\$825	\$67,080	21	finance, insurance, real estate services	13%	19%	
				government	15%	20%	
					13%	13%	

Rankings and totals are based on data for the 50 states, D.C., and Puerto Rico.

Data on S&E postdoctorates and S&E graduate students include health fields.

Federal Obligations for Research and Development in North Carolina by Agency and Performer: Fiscal Year 1995

[Thousands of Dollars]

	Total	Federal intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	State rank
Total, all agencies	825,433	220,179	0	99,913	440,465	59,002	5,874	21
Department of Agriculture	32,586	16,903	0	80	15,574	19	10	15
Department of Commerce	18,415	5,387	0	6,796	5,680	74	478	15
Department of Defense	136,748	53,262	0	48,037	33,218	2,231	0	26
Department of Energy	13,504	844	0	50	11,296	1,314	0	31
Dept. of Health & Human Services	434,731	68,595	0	15,207	310,668	37,036	3,225	7
Department of the Interior	3,645	3,265	0	95	285	0	0	35
Department of Transportation	6,418	0	0	1,654	2,438	250	2,076	22
Environmental Protection Agency	116,207	71,885	0	24,401	8,169	11,752	0	1
Nat'l Aeronautics & Space Admin.	11,738	16	0	877	7,484	3,361	0	27
National Science Foundation	51,441	22	0	2,716	45,653	2,965	85	14
State rank	21	16	na	28	7	11	8	

Federal R&D obligations are as reported by funding agencies.

FFRDC = federally funded research and development center

SBIR = small business innovation research

na = not applicable